

| UI Screen | UI Tab | UI Group Box | UI Field/Column Label |
|----------------|-----------------|--------------------------|-----------------------|
| Project Detail | Project Details | Project Detail | Project Type |
| Project Detail | Project Details | Project Detail | Agency Project# |
| Project Detail | Project Details | Project Detail | Is ARRA? |
| Project Detail | Project Details | Project Detail | Electricity Utility |
| Project Detail | Project Details | Building Detail | Building Type |
| Project Detail | Project Details | Building Detail | Building# |
| Project Detail | Project Details | Building Detail | Street Address |
| Project Detail | Project Details | Building Detail | City |
| Project Detail | Project Details | Building Detail | State |
| Project Detail | Project Details | Building Detail | Zip |
| Project Detail | Project Details | Building Detail | Primary Heat |
| Project Detail | Project Details | Building Detail | Primary Utility |
| Project Detail | Project Details | Building Detail | Conditioned SqFt |
| Project Detail | Project Details | Building Detail | Year Built |
| Project Detail | Project Details | Building Characteristics | Category |
| Project Detail | Project Details | Building Characteristics | Category |
| Project Detail | Project Details | Building Characteristics | Category |
| Project Detail | Project Details | Building Characteristics | Category |
| Project Detail | Contacts | Project Contacts | Contact Type |
| Project Detail | Contacts | Project Contacts | First Name |
| Project Detail | Contacts | Project Contacts | Last Name |
| Project Detail | Measures | Measures | Qty |
| Project Detail | Measures | Measures | Qty |
| Project Detail | Measures | Measures | Qty |

| Project Detail | Measures | Measures | Qty |
|----------------|------------------|----------------------------|---------------------------|
| Project Detail | Milestone/Status | Milestones | Effective Date |
| Project Detail | Milestone/Status | Milestones | Effective Date |
| Project Detail | Milestone/Status | Milestones | Effective Date |
| Project Detail | Demographics | Demographics | Category/Income Level |
| Project Detail | Demographics | Demographics | Category/Age Range |
| Project Detail | Demographics | Demographics | Category/Age Range |
| Project Detail | Costs | Project Costs (Current) | Funding Source |
| Project Detail | Costs | Project Costs (Current) | Utility |
| Project Detail | Costs | Project Costs (Current) | Program/H&S/WRR/Other |
| Project Detail | Audit | Audit Details | Audit Tool |
| Project Detail | Audit | Audit Details | Blower Door (pre) |
| Project Detail | Audit | Audit Details | Blower Door (post) |
| Project Detail | Audit | Audit Details | Building Airflow Standard |

| UI Row (if applies) | When Required | Business Rules | XLS Tab |
|---------------------------|-------------------|---|-----------|
| | (to save project) | System generated in UI | Projects |
| | (to save project) | | Projects |
| | Active | Value must be Yes (any status) if dollars are entered on the Costs tab for the "ARRA" Funding Source row. | Projects |
| | Completed | | Projects |
| | (to save project) | | Buildings |
| | Active | Multi-Family only | Buildings |
| | (to save project) | | Buildings |
| | (to save project) | | Buildings |
| | (to save project) | | Buildings |
| | (to save project) | | Buildings |
| | Completed | | Buildings |
| | Completed | If Primary Heat is Electricity or Natural Gas, then Primary Utility is required | Buildings |
| | Active | Optional for MF | Buildings |
| | Completed | | Buildings |
| Combustion Appliance | Completed | Pick one (Yes/No) | Buildings |
| Meter Type | Completed | Pick one | Buildings |
| Construction Funding Type | Completed | Pick one ("None" is a valid choice) | Buildings |
| Previously Weatherized | Completed | Pick one (Yes/No) | Buildings |
| | (see rules) | Owner required at Active Auditor required at Active Inspector required at Completed Contractor required at Completed | Contacts |
| | (see rules) | First Name required to save a contact | Contacts |
| | (see rules) | Last Name required to save a contact | Contacts |
| (at least one) | Completed | Each building must have at least one measure | Measures |
| CFLS | Completed | quantity of CFLs installed must be greater than or equal to the # of Units in Building | Measures |
| | (to save project) | For measures that allow "Quantity", the Quantity is required if the Comment is entered | Measures |

| | | | |
|-------------------------|-------------------|---|-----------|
| | (to save project) | Measures with a Unit of Measure of “sqft and change in R value” or “sqft and change in U value” require both the Quantity and Change Val | Measures |
| Audit Completed | Active | Required to move status to Active | Projects |
| Final Inspection Passed | Completed | For Multi-Family, all buildings need to be in "Completed" in order for the Project to move to "Completed". So all buildings must have a "Final Inspection Passed" Effective Date entered. | Projects |
| Project Closed | Closed | Required to move status to Closed | Projects |
| # Units | Completed | Total for "# Units" on Income Level must match "# of Units" on Project Detail tab | Buildings |
| # Units | Completed | | Buildings |
| # People | Completed | | Buildings |
| (at least one) | (see rules) | Unassigned okay at Completed No Unassigned at Closed ARRA required if "Is ARRA?" = Yes on Project Detail tab | Costs |
| | (see rules) | "Other" amount only valid for Utility funding | Costs |
| (at least one) | Completed | For Multi-Family, all buildings must have costs entered. | Costs |
| | Active | Required for both SF and MF at Active | Buildings |
| | Active | Optional for MF | Buildings |
| | Completed | Optional for MF | Buildings |
| | Active | Optional for MF | Buildings |

| XLS Column | DB Table |
|-------------------------|------------------------|
| Project Type | Project |
| Agency Project Number | Project |
| Is ARRA | Project |
| Electricity Utility | Project |
| Building Type | Building |
| Building Number | |
| Address Line1 | Address |
| City | Address |
| State | Address |
| Zip | Address |
| Primary Heat | Building |
| Primary Utility | Building |
| Conditioned Square Feet | Building |
| Year Built | Building |
| (various y/n options) | BuildingCharacteristic |
| (various y/n options) | BuildingCharacteristic |
| (various y/n options) | BuildingCharacteristic |
| (various y/n options) | BuildingCharacteristic |
| Contact Type | ProjectContact |
| First Name | ProjectContact |
| Last Name | ProjectContact |
| Measure | BuildingMeasure |
| Measure | BuildingMeasure |
| Measure | BuildingMeasure |

| Measure | BuildingMeasure |
|---|---------------------------------------|
| Audit completed Date | ProjectMilestone BuildingMilestone |
| Final inspection passed Date | ProjectMilestone BuildingMilestone |
| Project closed Date | ProjectMilestone BuildingMilestone |
| Number of Units... | BuildingDemographic |
| Number of Units... | BuildingDemographic |
| Number of People... | BuildingDemographic |
| Funding Source | ProjectFunding |
| Utility (if utility fund source) | ProjectFunding |
| Wx Amount, HS Amount, Repair Amount, Other Amount | ProjectFunding |
| Audit Tool | BuildingAudit |
| Blower Door Pre Value | BuildingAudit |
| Blower Door Post Value | BuildingAudit |
| Building Airflow Standard Value | BuildingAudit |

| DB Column | Lookup Table/Column (or values) |
|-----------------------------------|-------------------------------------|
| ProjectTypeID | ProjectType / ProjectTypeName |
| AgencyProjectNumber | |
| IsARRA | Values: Y/N |
| ElectricityUtilityID | Utility / UtilityDesc |
| BuildingTypeID | BuildingType / BuildingTypeDesc |
| | |
| AddressLine1 | |
| AddressCityJurisdictionID | |
| AddressStateJurisdictionID | Values: WA |
| AddressZip | |
| PrimaryHeatSourceUtilityServiceId | UtilityService / UtilityServiceDesc |
| PrimaryHeatSourceUtilityId | Utility / UtilityDesc |
| ConditionedSqFt | |
| YearBuilt | |
| BuildingCharacteristicItemId | Values: Y/N |
| BuildingCharacteristicItemId | Values: Y/N |
| BuildingCharacteristicItemId | Values: Y/N |
| BuildingCharacteristicItemId | Values: Y/N |
| ContactTypeID | ContactType / ContactTypeDesc |
| PersonID | Person / PersonFirstName |
| PersonID | Person / PersonLastName |
| Quantity | Measure / MeasureDesc |
| Quantity | Measure / MeasureDesc |
| Quantity | Measure / MeasureDesc |

| | |
|---|---------------------------------------|
| Quantity | Measure / MeasureDesc |
| CompletionDate | Milestone / MilestoneDesc |
| CompletionDate | Milestone / MilestoneDesc |
| CompletionDate | Milestone / MilestoneDesc |
| NumUnitsServed | DemographicItem / DemographicItemDesc |
| NumUnitsServed | DemographicItem / DemographicItemDesc |
| NumPeopleServed | DemographicItem / DemographicItemDesc |
| FundingSourceID | FundingSource / FundingSourceDesc |
| UtilityID | Utility / UtilityDesc |
| WxAmount, HSAmount, RepairAmount, OtherAmount | |
| AuditToolID | AuditTool / AuditToolDesc |
| WxAmount, HSAmount, RepairAmount, OtherAmount | BlowerDoorTestPreValue |
| WxAmount, HSAmount, RepairAmount, OtherAmount | BlowerDoorTestPostValue |
| WxAmount, HSAmount, RepairAmount, OtherAmount | BuildingAirflowStandardValue |

| Data Type | Max Len |
|-----------|---------|
| varchar | 100 |
| varchar | 30 |
| char | 1 |
| varchar | 100 |
| varchar | 100 |
| varchar | 20 |
| varchar | 200 |
| varchar | 100 |
| varchar | 2 |
| int | 5 |
| varchar | 100 |
| varchar | 100 |
| int | n/a |
| int | n/a |
| char | 1 |
| char | 1 |
| char | 1 |
| char | 1 |
| varchar | 50 |
| varchar | 50 |
| varchar | 50 |
| int | n/a |
| int | n/a |
| int | n/a |

| | |
|-------------------|-----|
| int | n/a |
| date (mm/dd/yyyy) | 10 |
| date (mm/dd/yyyy) | 10 |
| date (mm/dd/yyyy) | 10 |
| varchar | 100 |
| varchar | 100 |
| varchar | 100 |
| varchar | 100 |
| varchar | 100 |
| money | n/a |
| int | n/a |
| int | n/a |
| int | n/a |
| int | n/a |